

CLAIM AMENDMENTS

Please amend the claims as follows:

1 1. (canceled)

2 2. (canceled)

3 3. (currently amended) [[The]] A switchable lightning-arrester system [[of claim 2
4 wherein]] comprising:

5 a lightning arrester having a base end, a power-line end and a link bolt positioned
6 internally from arrester fins of the lightning arrester;

7 the link bolt having a ground end proximate the base end and a terminal end
8 proximate the power-line end;

9 an arrester-attachment base for receiving the base end of the lightning arrester
10 predeterminedly for attaching the lightning arrester to a power-line support;

11 a safety-switchable connector proximate the power-line end of the link bolt for
12 open and closed switching of electrical communication from a power line to the link bolt;

13 the safety-switchable connector including a counter-lever safety switch having a
14 switch platform to which the terminal end of the link bolt is attached;

15 a ground-line connector proximate the ground end of the link bolt for connecting
16 a ground line to the line bolt;

17 a fulcrum pillar [[is extended]] extending vertically upward from a pillar end of
18 the switch platform;

19 a line-support arm [[is]] attached pivotally to a support-arm axle proximate a top
20 of the fulcrum pillar;

21 the line-support arm being extended from proximate [[the]]a support-lever axle to
22 a switch-rod end;
23 a power-line clamp on the switch-rod end is positioned vertically above the link
24 bolt in a closed mode of [[the]]a counter-lever connector;
25 [[the]]a switch rod [[is extended]]extending downward vertically from the line-
26 support arm for contacting the terminal end of the link bolt in a closed mode of the counter-lever
27 connector;
28 [[the]]a support-arm axle [[is]] positioned horizontally on the fulcrum pillar at a
29 control-fulcrum distance upwardly from the switch platform;
30 a control lever having a control-lever handle [[is]] attached pivotally to the
31 fulcrum pillar with a control-lever axle;
32 a control-link rod [[has]]having a first link-rod end attached pivotally to the line-
33 support arm with a first link axle;
34 the control-link rod has a second link-rod end attached pivotally to the control
35 lever with a second link axle;
36 the control-link rod is articulated and positioned intermediate the line-support arm
37 and the control lever for transmitting downwardly locking force on the line-support arm from
38 downward travel of the control lever and for transmitting upwardly unlocking force on the line-
39 support arm from upward travel of the control lever as transmitted to the control-lever handle
40 selectively; and
41 the control-link rod transmits a lock-shut mode of the counter-lever safety switch
42 with the switch being in contact with the terminal end of link bolt by positioning of the first link

43 axle, the second link axle and the control-lever axle in a straight line for transmitting lightning
44 power to the ground line for a use mode of the lightning arrester.

1 4. (original) The switchable lightning-arrester system of claim 3 wherein:
2 the control-lever handle is articulated for hand-grasping and for selectively
3 remote grasping with a control rod.

1 5. (original) The switchable lightning-arrester system of claim 3 wherein:
2 the support-arm axle is positioned a predetermined distance in a direction away
3 from the pillar end of the switch platform for causing a predetermined central-actuation slant of
4 the control lever, below which opening of the counter-lever safety switch with upward travel of
5 the switch rod is prevented by offsetting leverage.

6 6. (original) The switchable lightning-arrester system of claim 3 and further
7 comprising:
8 an open-lock aperture articulated and positioned in the control lever for receiving
9 an open-lock pin for preventing downward travel of the control-link rod and thereby preventing
10 unintended downward actuation of the control lever.

1 7. (original) The switchable lightning-arrester system of claim 3 wherein:
2 the counter-lever safety switch includes a remote actuator intermediate the
3 fulcrum pillar and the control lever for remote actuation of the control lever predeterminedly.

1 **8. (original)** The switchable lightning-arrester system of claim **7** wherein:

2 the remote actuator includes a contraction-force spring in combination with the
3 open-lock aperture that is articulated and positioned in the control lever for receiving the open-
4 lock pin for preventing downward travel of the control-link rod and thereby preventing
5 unintended downward actuation of the control lever by the contraction-force spring.

1 **9. (original)** The switchable lightning-arrester system of claim **8** wherein:

2 the open-lock pin includes a remotely accessible pin ring

3 **10. (original)** The switchable lightning-arrester system of claim **7** wherein:

4 the remote actuator includes a remote-control motor having a linear-actuation bar
5 extended from the remote-control motor to pivotal contact with the control lever for actuation of
6 the linear-actuation bar outwardly in a direction away from the fulcrum pillar for opening and
7 inwardly in a direction towards the fulcrum pillar for closing the counter-lever connector.

1 **11. (original)** The switchable lightning-arrester system of claim **10** wherein:

2 the remote-control motor includes a wrench socket for rotation with a socket
3 wrench.

1 **12. (original)** The switchable lightning-arrester system of claim **10** wherein:

2 the remote-control motor includes a hand knob for hand rotation.

1 **13.** (original) The switchable lightning-arrester system of claim **10** wherein:

2 the remote-control motor includes an electrical socket for receiving electrical
3 current.

1 **14.** (canceled)

2 **15.** (currently amended) ~~[[The]]~~A switchable lightning-arrester system ~~[[of claim 14~~
3 wherein]] comprising:

4 [[the]]a lightning arrester having the base end, the power-line end and the link
5 bolt positioned internally from arrester fins of the lightning arrester;

6 the link bolt having the ground end proximate the base end and the terminal end
7 proximate the power-line end;

8 an arrester-attachment base for receiving the base end of the lightning arrester
9 predeterminedly for attaching the lightning arrester to the power-line support;

10 the safety-switchable connector proximate the power-line end of the link bolt for
11 open and closed switching of electrical communication from the power line to the link bolt;

12 the safety-switchable connector including a slide safety switch having a slide
13 platform to which the terminal end of the link bolt is attached;

14 the ground-line connector proximate the ground end of the link bolt for
15 connecting the ground line to the line bolt;

16 the slide-fulcrum pillar is extended vertically upward from the pillar end of the
17 slide platform;

18 the slide pillar is extended vertically upward from the slide platform intermediate
19 the slide-fulcrum pillar and the link bolt;
20 the line-support platform is attached pivotally to the top of the slide pillar;
21 the power-line clamp is attached to the top of the line-support platform with the
22 switch rod for holding the power line;
23 the slide pillar has the slide aperture for receiving the slide rod having the
24 connection insert on the first end and the slide-rod axle on the second end;
25 the connection insert is articulated to contact the bottom end of the switch rod and
26 the terminal end of the link bolt for conveying lightning current to the lightning arrester;
27 the lever-link rod is positioned intermediate the slide rod and the control lever
28 with the first end of the lever-link rod attached pivotally to the slide-rod axle and the second end
29 of the lever-link rod attached pivotally to the control lever with the lever-link axle;
30 the control lever is attached pivotally to the slide-fulcrum pillar with the control-
31 lever axle; and
32 the switch rod is extended downward vertically from the line-support platform for
33 contacting the connection insert with the slide safety switch being in the closed-circuit mode
34 with the control lever oriented pivotally for sliding the slide rod in opposite directions
35 selectively.

1 **16. (original)** The switchable lightning-arrester system of claim **15** wherein:

2 the control-lever axle is positioned predeterminedly above the slide platform for
3 allowing the control-lever to be pivoted with the control-lever handle being raised above the
4 horizontal attitude of the control lever for sliding the slide rod and thereby moving the

5 connection insert out of contact with the terminal end and the switch rod for breaking circuitry of
6 the counter-lever safety switch or optionally with the control-lever handle being lowered below
7 the horizontal attitude of the control lever for sliding the slide rod and thereby moving the
8 connection insert out of contact with the terminal end and the switch rod for breaking circuitry of
9 the counter-lever safety switch with the lever-link rod having the double-end pivotal contact with
10 the slide rod and the control lever.

1 **17. (original)** The switchable lightning-arrester system of claim **16** wherein:
2 the slide rod includes an inwardly opening length for positioning the connection
3 insert in the closed mode of the counter-lever safety switch with the connection insert in
4 electrical communication with the terminal end and the switch rod by positioning of the control
5 lever and the lever-link rod collinearly in line and for positioning the connection insert inwardly
6 towards the slide pillar by optionally upward or downward pivoting of the control lever.

1 **18. (original)** The switchable lightning-arrester system of claim **16** wherein:
2 the slide rod includes an outwardly opening length for positioning the connection
3 insert in the closed mode of the counter-lever safety switch with the connection insert in
4 electrical communication with the terminal end and the switch rod by positioning of the control
5 lever and the lever-link rod collinearly in line and for positioning the connection insert
6 outwardly in an opposite direction from the slide pillar by optionally upward or downward
7 pivoting of the control lever.

1 **19.** (original) The switchable lightning-arrester system of claim **15** and further
2 comprising:
3 a connector-side pillar groove positioned circumferentially in an inside perimeter
4 of the slide aperture proximate the connector side of the slide pillar;
5 a lever-side pillar groove positioned circumferentially in an inside perimeter of the slide
6 aperture proximate the lever side of the slide pillar; and
 a slide groove in an outside periphery of the slide rod.

1 **20.** (original) The switchable lightning-arrester system of claim **19** wherein:
2 the slide groove is articulated to receive the major cross-sectional portion of the
3 toroidal resilient washer;
4 the connector-side pillar groove is articulated to receive the remaining minor
5 cross-sectional portion of the toroidal resilient washer; and
6 the lever-side pillar groove is articulated to receive the remaining minor cross-
7 sectional portion of the toroidal resilient washer for restraining travel of the slide rod from
8 optionally open and closed modes of the counter-lever connector.

1 **21.** (original) The switchable lightning-arrester system of claim **19** wherein:
2 the slide groove is articulated to receive the minor cross-sectional portion of the
3 toroidal resilient washer;
4 the connector-side pillar groove is articulated to receive the remaining major
5 cross-sectional portion of the toroidal resilient washer; and

6 the lever-side pillar groove is articulated to receive the remaining major cross-
7 sectional portion of the toroidal resilient washer for restraining travel of the slide rod from
8 optionally open and closed modes of the counter-lever connector.

1 **22.** (original) The switchable lightning-arrester system of claim **15** and further
2 comprising:
3 a pillar stop on the slide-fulcrum pillar articulated and positioned for arresting
4 downward travel of the control lever.

1 **23.** (original) The switchable lightning-arrester system of claim **15** and further
2 comprising:
3 a lever stop on the control lever articulated and positioned for arresting downward
4 travel of the control lever.

1 **24.** (currently amended) ~~[[The]]~~A switchable lightning-arrester system comprising:
2 ~~[[the]]~~a lightning arrester having ~~[[the]]~~a base end, ~~[[the]]~~a power-line end and
3 ~~[[the]]~~a link bolt positioned internally from arrester fins of the lightning arrester;
4 the link bolt having the ground end proximate the base end and ~~[[the]]~~a terminal
5 end proximate the power-line end;
6 an arrester-attachment base for receiving the base end of the lightning arrester
7 predeterminedly for attaching the lightning arrester to ~~[[the]]~~a power-line support;
8 ~~[[the]]~~a safety-switchable connector proximate the power-line end of the link bolt
9 for open and closed switching of electrical communication from the power line to the link bolt;

10 the safety-switchable connector including a hinged safety switch having ~~[[the]]~~a
11 hinge rod proximate the base end of the arrester;
12 the hinge rod being positioned in the hinge bay on the arrester-attachment base
13 for pivoting the lightning arrester orthogonally to an axis of the hinge rod;
14 the lightning arrester being pivotal interchangeably between the closed mode of
15 the hinged safety switch with the terminal end of the link bolt in electrical communication with
16 the switch rod and an open mode of the hinged safety switch with the terminal end of the link
17 bolt being removed pivotally from the electrical communication with the switch rod and
18 ~~[[the]]~~a ground-line connector proximate the ground end of the link bolt for
19 connecting the ground line to the line bolt.

1 **25.** The switchable lightning-arrester system of claim **24** wherein:

2 the hinge bay is bifurcated in bifurcation arms extended from the arrester-
3 attachment base;

4 the terminal end of the link bolt is positioned in the handle base from which the
5 control lever having the control-lever handle is extended laterally for positioning the hinge rod in
6 and out of the hinge bay and for pivoting the lightning arrester to and from the closed mode of
7 the hinged connector; and

8 the terminal end includes the latch knob that is latched with the spring latch that is
9 extended laterally from the latch stop connector that is in electrical communication with the
10 switch rod for communicating lightning current from the power line, through the switch rod,
11 through the spring latch and into the terminal end of the link bolt through the latch knob while
12 also stopping pivotal travel of the lightning arrester beyond the position of electrical connection
13 of the latch knob with the spring latch.

14 **26.** (original) The switchable lightning-arrester system of claim **25** wherein:
15 the bifurcation arms include arcuate guides for guiding the portion of the
16 lightning arrester containing the hinge rod between the bifurcation arms while the hinged safety
17 switch is being opened and closed with the control lever.

1 **27.** (original) The switchable lightning-arrester system of claim **25** wherein:
2 the base end of the lightning arrester has an attachable hinge-rod base from
3 which the hinge rods are extended from opposite sides.

1 **28.** (original) The switchable lightning-arrester system of claim **25** wherein:
2 the hinged safety switch includes the support connector extended intermediate the
3 arrester-attachment base and the line-support platform.

1 **29.** (currently amended) ~~[[The]]~~A switchable lightning-arrester system comprising:
2 ~~[[the]]~~a lightning arrester having ~~[[the]]~~a base end, ~~[[the]]~~a power-line end and
3 ~~[[the]]~~a link bolt positioned internally from arrester fins of the lightning arrester;
4 the link bolt having the ground end proximate the base end and ~~[[the]]~~a terminal
5 end proximate the power-line end;
6 an arrester-attachment base for receiving the base end of the lightning arrester
7 predeterminedly for attaching the lightning arrester to ~~[[the]]~~a power-line support;
8 ~~[[the]]~~a safety-switchable connector proximate the power-line end of the link bolt
9 for open and closed switching of electrical communication from the power line to the link bolt;

10 the safety-switchable connector including [[the]]a pivot safety switch positioned
11 on the power-line end of the lightning arrester;
12 the pivot safety switch having [[the]]a connector base that is attached detachably
13 to the power-line end of the lightning arrester;
14 [[the]]a support pillar extended orthogonally from the connector base to the line-
15 support platform;
16 [[the]]a first connector boss extended predeterminedly from the connector base in
17 the direction towards the line-support platform;
18 [[the]]a second connector boss extended predeterminedly from the line-support
19 platform in the direction towards the connector base;
20 [[the]]a connector plug positioned removably in electrical communication with
21 the first connector boss and the second connector boss;
22 the connector plug being affixed to [[the]]a pivot member that is pivotal from
23 [[the]]a pivot axle on the predetermined side of the first connector boss and the second connector
24 boss for pivoting the connector plug into and out from electrical communication with the first
25 connector boss and the second connector boss selectively;
26 the first connector boss being in electrical communication with the terminal end
27 of the link bolt; and
28 the second connector boss being in electrical connection with the switch rod for
29 electrical communication with the power line.

1 **30.** (original) The switchable lightning-arrester system of claim **29** wherein:

2 the predetermined side of the first connector boss and the second connector boss
3 on which the pivot member is positioned includes the connector-base side with the pivot axle
4 positioned on the connector base for pivoting the pivot member in the direction towards the
5 lightning arrester for removing the connector plug from intermediate the first connector boss and
6 the second connector boss.

1 **31.** (original) The switchable lightning-arrester system of claim **29** wherein:

2 the predetermined side of the first connector boss and the second connector boss
3 on which the pivot member is positioned includes the line side with the pivot axle positioned on
4 the line-support platform for pivoting the pivot member in the direction opposite from the
5 lightning arrester for removing the connector plug from intermediate the first connector boss and
6 the second connector boss.

1 **32.** (original) The switchable lightning-arrester system of claim **29** wherein:

2 the pivot axle is in line with the an axis of the link bolt and the switch rod.

1 **33.** (original) The switchable lightning-arrester system of claim **29** wherein:

2 the connector plug includes tapered sides; and
3 the first connector boss and the second connector boss include tapered ends that
4 match taper of the tapered sides.

1 **34.** (original) The switchable lightning-arrester system of claim **29** wherein:

2 the pivot member includes the control lever.

1 **35.** (currently amended) ~~[[The]]~~A switchable lightning-arrester system comprising:

2 ~~[[the]]~~a pivot safety switch attachable to ~~[[the]]~~a terminal end of ~~[[the]]~~a link bolt
3 proximate the power-line end of ~~[[the]]~~a lightning arrester;

4 the pivot safety switch having the connector base that is attached detachably to
5 the power-line end of the lightning arrester;

6 ~~[[the]]~~a support pillar extended orthogonally from ~~[[the]]~~a connector base to
7 ~~[[the]]~~a line-support platform;

8 ~~[[the]]~~a first connector boss extended predeterminedly from the connector base in
9 ~~[[the]]~~a direction towards the line-support platform;

10 ~~[[the]]~~a second connector boss extended predeterminedly from the line-support
11 platform in the direction towards the connector base;

12 ~~[[the]]~~a connector plug positioned removably in electrical communication with
13 the first connector boss and the second connector boss;

14 the connector plug being affixed to ~~[[the]]~~a pivot member that is pivotal from the
15 pivot axle on the predetermined side of the first connector boss and the second connector boss
16 for pivoting the connector plug into and out from electrical communication with the first
17 connector boss and the second connector boss selectively;

18 the first connector boss being in electrical communication with the terminal end
19 of the link bolt; and

20 the second connector boss being in electrical connection with the
21 switch rod for electrical communication with the power line.

1 **36. (original)** The switchable lightning-arrester system of claim **35** wherein:
2 the predetermined side of the first connector boss and the second connector boss
3 on which the pivot member is positioned includes the connector-base side with the pivot axle
4 positioned on the connector base for pivoting the pivot member in the direction towards the
5 lightning arrester for removing the connector plug from intermediate the first connector boss and
6 the second connector boss.

1 **37. (original)** The switchable lightning-arrester system of claim **35** wherein:
2 the predetermined side of the first connector boss and the second connector boss
3 on which the pivot member is positioned includes the line side with the pivot axle positioned on
4 the line-support platform for pivoting the pivot member in the direction opposite from the
5 lightning arrester for removing the connector plug from intermediate the first connector boss and
6 the second connector boss.

1 **38. (original)** The switchable lightning-arrester system of claim **29** wherein:
2 the pivot axle is in line with the an axis of the link bolt and the switch rod of the
3 lightning arrester to which the pivot safety switch is attachable.

1 **39. (original)** The switchable lightning-arrester system of claim **35** wherein:
2 the connector plug includes tapered sides; and

3 the first connector boss and the second connector boss include tapered ends that
4 match taper of the tapered sides.

1 **40.** (original) The switchable lightning-arrester system of claim **29** wherein:
2 the pivot member includes the control lever.